

12" - Bass Mid Driver

Studio Range

Applications: Bass Mid in Studio Monitors

- 300 Watt (AES)
- Exceptionally Low Power Compression
- 12" Radial Chassis
- Vented Magnet
- Multi-Finned Magnet Intercooler
- Net Weight: 6.8 Kgs



The RV3143 features three cooling systems:- in addition to a vented magnet it uses the Radial chassis, which acts as a giant heatsink, plus a multi-finned magnet intercooler. This keeps voice coil and magnet temperatures exceptionally low resulting in superb reliability, 3dB less power compression and tight, clean bass even after prolonged operation at maximum power. The RV3143 has a symmetrical field magnet with extended centre pole for absolute linearity and transient control on high power peak inputs. It has double rear suspensions for stability and a 4 layer voice coil to maximise BL.

The uniquely designed RV3143 uses Radial Technology to allow exceptional power handling and reliability.

Specifications

Nominal Diameter	310 mm
Power Rating	300 Watt (AES)
Sensitivity (1w / 1m)	91.5 dB
Frequency Range	29 - 700Hz
Nominal Impedance	8 or 16 ohms
BL Factor	18 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	36 mm (peak to peak)
Magnetic Assembly Weight	5 Kgs
Effective Moving Mass	0.076 Kgs
Compliance	0.00027 M/N
Volume Displacement	3 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	35 Hz
Re	6.1 Ohms
Qa	5.35
Qe	0.32
Qt	0.30
Vas	86 Litres
Xmax	±5.2 mm
Sd	479 cm ²
Vd	249 cm ³
Le	3.2 mH

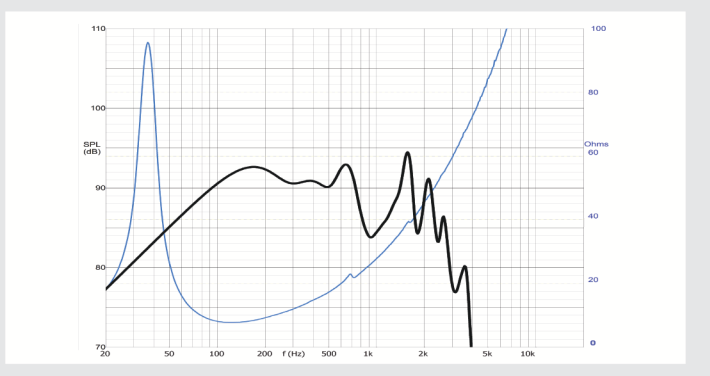
Mounting Information

Overall Diameter	310 mm
Fixing Bolt Diameter	292 mm
Fixing Holes	8 x M6
Front Mount Cut-out Diameter	280 mm
Suggested Rebate Depth	14 mm
Depth Below Front Flange	138 mm
Total Depth	152 mm
Weight	6.8 Kgs

Suggested Enclosures

Volume in Litres	55	85	110
Vent diameter in Cm	7.5	7.5	7.5
Vent length in Cm	10	10	8
System Q	7	7	7
-3dB Freq in Hz	40	32	29

Response Curve



Dimensions

